

## *UConn's RMME Programs at AERA & NCME 2025*

### *April 22, Tuesday*

**9.00 am to 5.30 pm**

Conference: American Educational Research Association Annual Meeting  
Location: The Colorado Convention Center, Meeting Room Level, Room 601  
Session Type: Professional Development Course  
Session Title: PD25-01 Approaches to Evaluating Programs  
Director: Lyssa Wilson Becho  
Authors: Lyssa Wilson Becho, Bianca Montrosse-Moorhead\*, Daniela Schroeter

### *April 23, Wednesday*

**9.00 am to 10.30 am**

Conference: National Council on Measurement in Education Annual Meeting  
Location: Hilton Denver City Center in Denver, Colorado- Lower level 1, Mattie Silks conference room  
Session Type: Training session  
Session Title: Diversity, Equity & Inclusion in Assessment  
Presentation Title: Positionality in Action: Developing Tools to Recognize Bias Across Settings  
Authors: Catherina Villafuerte\*, Nicolas Mireles, Kayla Burt, Sarah Hammami, Claudia Ventura\*, Brein Mosely, Autumn Wild

Conference: American Educational Research Association Annual Meeting  
Location: The Colorado Convention Center, Terrace Level, Bluebird Ballroom Room 3D  
Session Type: Paper Session  
Session Title: From Barriers, to Strategies, to Impact: Illuminating Transfer Pathways in Higher Education  
Presentation Title: Course Scarcity and the Impact on College Progression by Race/Ethnicity and Gender  
Authors: Claire Wladis, Alyse C. Hachey, Catherine A. Manly, Christopher H. Rhoads\*

## 12.40 pm to 2.10 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 1

Session Type: Roundtable Session

Session Title: Answering the Call: Building Knowledge to Advance Equity Aims (Table 8)

Presentation Titles: [What opportunities does a P-8 Public School have to strengthen its Restorative Justice Programs?], [Do Community Schools Work for High-Needs Students? Evaluating Integrated Student Services and Outcomes for Equity], [Equity-Driven Reading Performance Remedy for Economically Disadvantaged Secondary Students in Texas-Border Schools], [Evaluating Systemic Barriers: Lessons From Using an Equity Audit Tool in Two Massachusetts Districts]

Chair: Sarah D. Newton\*

## 1.30 pm to 3.00 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Hilton Denver City Center, Floor: Lower Level 1, Mattie Silks

Session Type: Workshop

Session Title: Positionality in Action: Developing Tools to Recognize Bias Across Settings

Authors: Catherina Villafuerte\*, Nicolas Mireles, Kayla S. Burt, Sarah Hammami, Claudia J. Ventura\*, Brein Mosely, Autumn N. Wild

## 2.30 pm to 4.00 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 205

Session Type: Symposium

Session Title: STEM Interventions for Talent Development: An Interactive Symposium on Evidence-Based Models Developed Through Javits Projects

Presentation Title: Lessons Learned from a Primary Grade Engineering and Computer Science-Focused STEM Intervention

Authors: Monica Meadows, Ann E. Robinson, Jill L. Adelson\*, Keila Moreno Navarrete

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 205

Session Type: Symposium

Session Title: STEM Interventions for Talent Development: An Interactive Symposium on Evidence-Based Models Developed Through Javits Projects

Presentation Title: Project Y: Outcomes and Reflections on 5 Years of Elementary School Computational Thinking Interventions

Authors: Carla Brigandi, Jiangmei May Yuan, Karen E. Rambo-Hernandez\*, Maryann R. Hebda

Conference: American Educational Research Association Annual Meeting

Location: Hyatt Regency Denver at Colorado Convention Center, Fourth Floor, Capitol Ballroom 4

Session Type: Invited Speaker Session

Session Title: The Consortium of State and Regional Educational Research Associations Distinguished Papers Session 3

Presentation Titles: [Florida Educational Research Association: Impact of Kindergarten Instructional Assistants on Student Reading Achievement], [California Educational Research Association: Is the Science of Reading the Key to Improved Literacy? Key Insights from the Implementation and Outcomes of Literacy Practices in a San Diego Unified Urban School Cluster], [Southwest Educational Research Association: Predicting Student At-Risk Status Through the Measure of Academic Progress Growth Assessment System and the Local Assessment Model], [Georgia Educational Research Association: Relationship between Student Collaboration Practices and Quality of Enacted Curriculum]

Chair: Matthew J. Madison

Discussant: Zachary K. Collier\*

## 4.20 pm to 5.50 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 703

Session Type: Paper Session

Session Title: Analyzing Policies and Supporting teachers in Selecting and Implementing Proactive Classroom Management Strategies

Presentation Title: The Effect of I-MTSS on Students' Off-task Behavior and Engagement

Authors: Brandi Simonsen, D. Betsy McCoach\*, Michael D. Coyne, Sarah D. Newton\*, Katie Scarlett Lane Pelton\*, Tracey LaMothe, Kelly L. Kearney

Presenting Author: D. Betsy McCoach\*

## April 24, Thursday

## 8.00 am to 9.30 am

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Terrace Level, Bluebird Ballroom Room 3H

Session Type: Paper Session

Session Title: Navigating State Policy, Governance, and Reform

Presentation Title: "There Were Failures": How SB-17 Affects Faculty, Staff, and Students at a Public Texas University

Authors: Michael Reid Jr.\*, Jenna Doane, Angela Valenzuela

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 4

Session Type: Roundtable Session

Session Title: Supporting Social Emotional and Behavioral Needs of Students and Educators (Table 1)

Presentation Titles: [Life orientation and subjective well-being of children], [What Are My Students Trying to Tell Me? A Missing Data Problem], [Identifying Children at Risk for Emotional and Behavioral Problems: A Diagnostic Classification Model Approach], [Examining Mental Health Support Preparedness Among PK-12 Faculty and Staff Across Roles and School Contexts Through a Research-Practice Partnership], [Leveraging State Longitudinal Data in Maryland to Examine Longer-Term Effects of Multi-Tiered PBIS]

Chair: Xueying Gao\*

## 9.45 am to 11.15 am

Conference: National Council on Measurement in Education Annual Meeting

Location: Colorado AB

Session Type: Coordinated Paper Session

Session Title: Validity, Validation, and Fairness

Presentation Title: Construct Equivalency, Score Comparability, and Psychometric Properties of the Enhanced ACT Test

Authors: Dongmei Li\*, Ann Arthur, YoungWoo Cho, Chi-Yu Huang, Shalini Kapoor

Conference: National Council on Measurement in Education Annual Meeting

Location: Colorado AB

Session Type: Coordinated Paper Session

Session Title: Validity, Validation, and Fairness

Presentation Title: Impact of ACT Enhancements on Student Perceptions and Performance

Authors: Shalini Kapoor, Chi-Yu Huang, Hongling Wang, Chen Qiu, Scott Wood, Dongmei Li\*

## 9:50 am to 11.20 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 4

Session Type: Roundtable

Session Title: Understanding Needs based on generation Status, Class, Race/Ethnicity, and Disability (Table 5)

Presentation Title: Examining the Experiences and Needs of Disabled Graduate Students

Authors: Emily Tarconish, Allison Lombardi, Graham Gilbert Rifenbark\*

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center Ballroom Level, Four Seasons Ballroom 2-3

Session Type: Roundtable Session

Session Title: Inclusive Practices for Mentoring (Table 3)

Presentation Title: The Power of Many: How Diverse Mentor Networks Enhance STEM Persistence and Identity

Authors: Rachelle M. Pedersen, Paul R. Hernandez\*, Anna Woodcock, P. Wesley Schultz

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center Ballroom Level, Four Seasons Ballroom 2-3

Session Type: Roundtable Session

Session Title: Inclusive Practices for Mentoring (Table 3)

Presentation Title: Promoting Task-Specific Facets of Science Self-Efficacy Among Indigenous Students: The Role of Mentorship Support

Authors: Fanyi Yu, Kathy DeerInWater, Mica Estrada, K. Kanoho Hosoda, Natalia Maldonado, Lilibeth Flores, Paul R. Hernandez\*

Conference: American Educational Research Association

Location: The Colorado Convention Center, Terrace Level, Bluebird Ballroom Room 3A

Session Type: Structured Poster Session

Session Title: Innovations in Statical Power, Intervention Planning and Design, and Casual Effects

Presentation Titles: [The Implications of Covariate Distributional Differences on Generalizability Statistics (Poster 1)], [Optimal Sampling Strategies for Cluster-Randomized Trials Detecting Moderation and Main Effects (Poster 2)], [Airbag Moderation: Power Analysis via Simulation plus Empirical Examples in Education (Poster 3)], [Combining Inverse Propensity Score Weighting and Boosting Algorithms to Estimate Causal Moderation Effects (Poster 4)], [Estimating Cross-Site Impact Variation to Improve the Statistical Power for Multisite Randomized Trials in Education (Poster 5)], [Experimental Power for Mediation Effects in Multisite Studies (Poster 6)], [Methodological Innovation in Evaluating the Cost-Effectiveness of Simulation Training: An Integrated Approach Combining Transfer Effectiveness and Change-point Analysis (Poster 7)], [nMAX: Practical Sample Size Planning for Multiple Regression, Measured Variable Path Models, and Beyond (Poster 8)], [Practical Considerations on How the Teacher and School ICCs Vary/Co-Vary with District Characteristics (Poster 9)], [Statistical Power for Incremental Cost-Effectiveness Ratios Based on Monte Carlo Intervals in (Multi-Site) Randomized Trials (Poster 10)]

Chair: Anna A. O'Connell, Rutgers

Discussant: D. Betsy McCoach\*

## 1.30 pm to 3.00 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Lower Level 2, Denver Ballroom 4

Session Type: Individual Paper Session

Session Title: Using AI to Address Challenges in Scoring and Automated Feedback

Presentation Title: [A Framework for Evaluating Automated Conventions Feedback], [Automated Scoring of Long Essay], [Automated Essay Scoring with Large Language Models: An Evaluation of Different Modeling Approaches]

Chair: Teresa Ober

Discussant: Ummugul Bezirhan\*

## 3.45 pm to 5.05 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 106

Session Type: Paper Session

Session Title: Measurement Scales and Psychosocial Development

Presentation Title: Gifted Identification Matrices: An Exploratory Study of Measurement Considerations

Authors: Pam Peters\*, D. Betsy McCoach\*, Catherine A. Little

## 5.45 pm to 6.55 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 302

Session Type: Symposium

Session Title: Advancements and challenges in Cognitive Diagnostic Models and Mixture Modeling

Chair: Zachary K. Collier\*

Papers: [Challenges with Identification and Estimation of Cognitive Diagnostic Models (Eric Loken\* & Claudia J. Ventura\*)], [Examining Model Complexity Due to Functional Form with Randomly Generated Data (Kirsten Reyna\* & Eric Loken\*)], [Evaluating the Performance of Standard Latent Class Analysis Compared to Tree-Based Latent Class Analysis (Richard Baidoo\*, Eric Loken\*, & Zachary K. Collier\*)], [Imputation with Random Forest and Deep Learning for Bayesian Estimated Growth Mixture Models (Joshua Sukumar\* & Zachary K. Collier\*)], [Detecting Differential Effects Through Parallel Multiple-Mediator Mixture Models]

Discussant: Eric Loken\*

## April 25, Friday

### 8.00 am to 9.30 am

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center

Session Type: Governance Session

Session Title: AERA Open: Closed Editorial Board Meeting

Chair: John Neikirk

Participants: Gustavo E. Fischman, Audrey Amrein-Beardsley, Jennifer Keys Adair, Jason Beech, D. Betsy McCoach\*, Elizabeth Sumida Huaman, Tao Xin, Bee Leng Chua, Marcelo, Ines Dussel, Rocio Garcia-Carrion, Hyeon-Ah Kang, Jeongeum Kim, Keon M. Mcguire, Rebecca Tarlau, Shiyu Wang, Terri S. Wilson

### 9.50 am to 11.20am

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention, Exhibit Hall Level, Exhibit Hall F

Session Type: Poster Session

Session Title: Division C- Section 1d: Science Poster Session

Presentation Title: Modeling Elementary Science Achievement from Mathematics and Reading Achievement: Pre- and Mid-COVID-19 Cohort Analysis (Poster 13)

Authors: Noah Koehler, Micayla Gooden, Niyazi Erdogan, Thomas Franklin Hallmark, Karen E. Rambo-Hernandez\*

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Exhibit Hall Level, Exhibit Hall F

Session Type: Poster Session

Session Title: Patterns, Networks, Trajectories, and More! Exploring Individual Beliefs and Diverse Correlates

Presentation Title: The Ripple Effect: Engineering and Computer Science Classroom Network Relations of Motivation and Persistence Intentions (Poster 31)

Authors: Rachelle M. Pedersen, Megan Patterson, Michael A. de Miranda, Karan Watson, Paul R. Hernandez\*

### 11.30 am to 1.00 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Colorado EF

Session Type: Coordinated Paper Session

Session Section: Validity, Validation and Fairness

Session Title: The Landscape of Education Measurement Programs Through the Lens of Civil Rights

Authors: Juan D'Brot, Carlos Chavez, Regina Lewis, Catherina Villafuerte\*, Michael E. Walker

## 1.30 pm to 3.00 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Colorado IJ

Session Type: Individual paper Session

Session section: Test Security

Session Title: Item Compromise Detection Using Response Times, Scores, and Distractors

Presenter: Merve Sarac\*

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Terrace Level, Bluebird Ballroom Room 3G

Session Type: Paper Session

Session Title: Teacher Professional Development, Career Advancement, and Advice Seeking

Poster/Presentation Title: Beginning Elementary Teachers' Development of Ambitious Teaching Practices

Authors: Dorothea M. Anagnostopoulos, Kylie Anglin\*, Julie Jackson Cohen, Peter A. Youngs

## 3:15 pm to 4.15 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Colorado CD

Session Type: Individual Paper Session

Session Section: Reliability, Precision, and Generalizability

Session Title: Evaluating Reliability, Precision, and Generalizability

Presentations: [Impacts of Response Quality on Topic Modeling of Open-ended Questions'], [Bootstrap Confidence Intervals for the Coefficient Omega Difference Between Two Independent Groups], [Revisiting the Importance of Distributional Assumptions for Generalizability Studies of Count Data]

Chair: Hyeri Hong

Discussant: Dongmei Li

Conference: National Council on Measurement in Education Annual Meeting

Location: Denver 4

Session Type: Coordinated Paper Session

Session Section: Standard Setting

Session Title: A generative AI Augmentation Approach Standard Setting

Authors: Claudia Ventura\*, Joe Grochowalski, Merve Sarac\*, Amy Hendrickson



## 3:20 pm to 4.50 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 4

Session Type: Roundtable Session

Session Group: Contextual Factors in Self-Regulated Learning (Table 1)

Presentation Title: Mentorship and Time Management: A Synergistic Approach to Supporting Academic Achievement

Authors: Linlin Luo, Qiyue Zhang, Melissa Burt, Sandra M. Clinton, Mica Estrada, Emily V. Fischer, Milena Guajardo, Natalia Maldonado, Megan Patterson, Llana B. Pollack, Sarah Schanz, Paul R. Hernandez\*

## 4.30 pm to 6.00 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Penrose 1

Session Type: Organized Discussion

Session Title: Scaling, Equating, and Linking

Presentation Title: Scaling, Linking, and Equating with Test Redesign

Authors: Jaime Malatesta, Dongmei Li\*, Joe Betts

Conference: National Council on Measurement in Education Annual Meeting

Location: NA

Session Type: Social

Session Title: Historically Marginalized Group Mixer (GSIC/CODIT)

Chair: Merve Sarac\*, Catherina Villafuerte\*

## April 26, Saturday

## 8.00 am to 9.30 am

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 606

Session Type: Paper Session

Session Title: Motivation Interventions Unleashed: Considering Context and Culture in STEM

Poster/Presentation Title: Engaging Latinx Families in STEM education: A Longitudinal Intervention Study

Authors: Su Jiang, Anna Woodcock, Kamel Haddad, Paul R. Hernandez\*

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 2-3

Session Type: Roundtable Session

Session Title: Unpacking Learner-Centered Innovations in Accessible Assessments (Table 2)

Presentation Title: Building Content Structures for Multidimensional Science Assessments for Students With Significant Cognitive Disabilities

Authors: Russell E. Swinburne Romine, Christy Glore, Jennifer Richardson\*, Vanessa R Simmering

## 9.50 am to 11.20am

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 702

Session Type: Paper Session

Session Title: Enhancing Validity and Reliability in Educational Measurement and Assessments

Presentation Title: Estimating Multilevel Reliability for School-Based Behavioral Measures

Authors: Katie Scarlett Lane Pelton\*, D. Betsy McCoach\*

## 11.40 am to 1.10 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 707

Session Type: Symposium

Session Title: A Collection of Critical Race Counterstories: Disrupting Resegregation in Special Education Using QuantCrit

Poster/Presentation Title: Confronting Traditions in Special Education: Cultivating Anti-Racist and Anti-Ableist Research

Authors: Nicholas S. Bell, Donna Y. Ford, Zachary Z. Collier\*, Elizabeth Slusarz, David J. Connor, Veronica Nelly Velez

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 707

Session Type: Symposium

Session Title: A Collection of Critical Race Counterstories: Disrupting Resegregation in Special Education Using QuantCrit

Poster/Presentation Title: Evidence of Anti-Racist Educators: Disrupting the Racialized Practice of Resegregation in Special Education

Authors: Nicholas S. Bell, Zachary Z. Collier\*, Donna Y. Ford, Veronica Nelly Velez, Joshua Sukumar\*

## 1.30 pm to 3.00 pm

Conference: National Council on Measurement in Education Annual Meeting

Location: Colorado GH

Session Type: Electronic Board Session

Session Title: Electronic Board Session: AI

Presentation Title: Automated Item Generation for Reading Assessments

Authors: Ummugul Bezirhan\*, Erin Wry, Matthias von Davie

## 3.20 pm to 4.50 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 106

Session Type: Paper Session

Session Title: Engagement, Motivation and Efficiency

Presentation Title: How Much Do Students' Perceptions of Learning Something New Relate to Their Perceived Engagement?

Authors: Del Siegle, D. Betsy McCoach\*, Susan Sulong Langley, Ashley Y. Carpenter, Kelly L. Kearney

## 5.10 pm to 6.40 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 606

Session Type: Paper Session

Session Title: Rethinking Mentoring

Chair: Paul R. Hernandez\*

Presentation Titles: [Mentoring Principal for Well-Being Aligned with the PERMA Model], [The Epistemological Origins of Mentoring: The Journey Between Reality and Mythology], ["Your Lesson Plan Isn't a Response": Distributed Co-mentoring in Urban Teacher Residency], [Doctoral E-Mentoring and Mentee Milestone From a Mentor's Perspective]

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 2-3

Session Type: Research on Giftedness, Creativity, and Talent SIG Roundtable: Policies and Practices (Table 4)

Session Title: Bringing Innovators to Life Through Biography: A Cluster-Randomized Intervention Study

Authors: Ann E. Robinson, Jill L. Adelson\*, Monica Meadows, Keila Moreno Navarrete

## April 27, Sunday

### 8.00 am to 9.30 am

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 2-3

Session Type: Paper Session

Session Title: Studies Exploring Factors Related to Student Learning and Achievement in Mathematics (table 2)

Presentation Title: Toward Remedies for Inequities in Mathematics Education: Measuring Mathematical Resilience in American High School Students

Authors: Darin Richard Lovelace, Janice Kookan\*

### 11.40 am to 1.10 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 702

Session Type: Paper Session

Session Title: The Bigger Picture Impact of Social-Emotional Learning in Schools

Presentation Title: Mindful Qualities in Teacher Recollections of Classroom Interactions

Authors: Almut K. Zieher, Corissa Mazurkiewicz, Kylie Anglin\*

### 1.30 pm to 3.00 pm

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Ballroom Level, Four Seasons Ballroom 2-3

Session Type: Roundtable Session

Session Title: Self-regulated Learning Strategies and Academic performance (table 7)

Presentation Title: Birds of a Feather Self-Regulated Together

Authors: Linlin Luo, Joseph C. Tise, Megan Patterson, Daniel Alge, Paul R. Hernandez\*

Conference: American Educational Research Association Annual Meeting

Location: The Colorado Convention Center, Meeting Room Level, Room 106

Session Type: Paper Session

Session Title: Classroom Practices and Student Achievement

Presentation Title: Millions of Students can (still) take a gap year: Achievement and Variability in Mathematics and Reading

Authors: Karen E. Rambo-Hernandez\*, Matthew C. Makel, Noah Koehler